

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Sharad Magar, et al.  
App. No.: 10/528,437  
Filing Date: September 19, 2003  
Conf. No.: 4300

Title: Piperazine Derivatives and  
Methods of Use  
Art Unit: 1645  
Examiner: To be assigned

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**REQUEST FOR CORRECTED FILING RECEIPT**

Dear Sir:

Applicants enclose a copy of the official filing receipt which indicates that Yihua Liao is not listed as an inventor of the above-referenced application. Applicants respectfully request the issuance of a corrected filing receipt indicating that Yihua Liao is an inventor of the above-referenced application. We enclose herewith copies of the Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Submission under 35 U.S.C. 371, as well as the first page of the international patent application WO 2004/031182 indicating Yihua Liao is an inventor in this national stage application.

Additionally, Applicants request the correction of the inventor's name, Thomas J. Russell to read Russell J. Thomas. We attach a copy of the executed declaration indicating the inventor's name is Russell J. Thomas.

Applicants respectfully request the issuance of a corrected filing receipt reflecting Yihua Liao and Russell J. Thomas as inventors of the above-identified patent application.

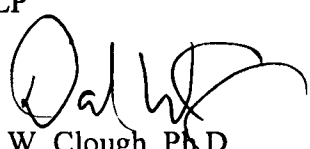
No fees are believed to be due in connection with the Applicant's request for the issuance of a corrected filing receipt, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to this document, the Commissioner is hereby authorized to deduct the fees from Howrey Simon Arnold & White, LLP Deposit Account 08-3038, referencing the above-identified docket number.

Respectfully submitted,

HOWREY LLP

Dated: July 20, 2006

By:

  
David W. Clough, Ph.D.  
Registration No.: 36,107  
Customer No.: 22930

HOWREY LLP  
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## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/528,437	04/10/2006	1645	1730	05558.0028.PCUS00		34	2

CONFIRMATION NO. 4300

22930  
 HOWREY LLP  
 C/O IP DOCKETING DEPARTMENT  
 2941 FAIRVIEW PARK DR, SUITE 200  
 FALLS CHURCH, VA 22042-2924

## FILING RECEIPT



\*OC000000019424470\*

Date Mailed: 07/03/2006

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).**

## Applicant(s)

Sharad Magar, Canton, MA;  
 Andreas Goutopoulos, Boston, MA;  
 Matthias Schwarz, Thonex, SWITZERLAND;  
 Russell J. Thomas, Oxford, UNITED KINGDOM;

**Power of Attorney:** The patent practitioners associated with Customer Number **22930**.

## Domestic Priority data as claimed by applicant

This application is a 371 of PCT/EP03/50640 09/19/2003  
 which claims benefit of 60/412,308 09/20/2002

## Foreign Applications

If Required, Foreign Filing License Granted: 06/28/2006

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US10/528,437**

Projected Publication Date: 10/05/2006

Non-Publication Request: No

Early Publication Request: No

**Title**

Piperazine derivatives and methods of use

**Preliminary Class**

424

**PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES**

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

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**LICENSE FOR FOREIGN FILING UNDER**  
**Title 35, United States Code, Section 184**  
**Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof

unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

#### **NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371**

ATTORNEY'S DOCKET NUMBER

05558.0028.PCUS00

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

Not Yet Assigned

INTERNATIONAL APPLICATION NO.

PCT/EP2003/050640

INTERNATIONAL FILING DATE

September 19, 2003

PRIORITY DATE CLAIMED

September 20, 2002

TITLE OF INVENTION

PIPERAZINE DERIVATIVES AND METHODS OF USE

APPLICANT(S) FOR DO/EO/US

Sharad Maqar; Andreas Goutopoulos; Yihua Liao; Matthias Schwarz and Thomas J. Russell

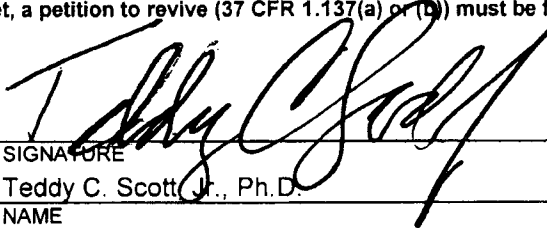
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☒ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A preliminary amendment.
14. ☐ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.
18. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information: Copy of WO 2004/031182 A1 with International Search Report and Return-Receipt Postcard

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>Not yet assigned</b>		INTERNATIONAL APPLICATION NO. <b>PCT/US2003/024548</b>		ATTORNEY'S DOCKET NUMBER <b>05558.0028.PCUS00</b>	
The following fees are submitted:				<b>CALCULATIONS</b>	<b>PTO USE ONLY</b>
21. <input checked="" type="checkbox"/> Basic national fee..... \$300				\$ 300.00	
22. <input checked="" type="checkbox"/> Examination fee f International preliminary examination report prepared by USPTO and al aims satisfy provisions of PCT Article 33(1)-(4) .....\$100 All other situations.....\$200				\$ 200.00	
23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....\$100 International Search Report prepared and provided to the Office.....\$400 All other situations.....\$500				\$ 400.00	
<b>TOTAL OF 21, 22 and 23 =</b>				<b>\$ 900.00</b>	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
57	- 100 = -0-	/50 = -0-	x \$250	\$ -0-	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	34	-20 = 14	X \$50	\$ 700.00	
Independent claims	2	-3 = -0-	X \$200	\$ -0-	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	\$	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$ 1,600.00</b>	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.				\$	
<b>SUBTOTAL =</b>				<b>\$ 1,600.00</b>	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$	
<b>TOTAL NATIONAL FEE =</b>				<b>\$ 1,600.00</b>	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$	
<b>TOTAL FEES ENCLOSED =</b>				<b>\$ 1,600.00</b>	
				Amount to be refunded:	\$
				Amount to be charged:	\$
a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed. b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>08-3038</u> in the amount of \$ <u>1600.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>08-3038</u> . A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.					
<b>NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.</b>					
SEND ALL CORRESPONDENCE TO: Howrey Simon Arnold & White, LLP IP Prosecution Docketing 2941 Fairview Park Drive, Box 7 Falls Church, VA 22042 Telephone: (703) 663-3600 Facsimile: (703) 336-6950 Customer Number 22930					
				SIGNATURE 	
				NAME Teddy C. Scott Jr., Ph.D.	
				REGISTRATION NUMBER 53,573	

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
15 April 2004 (15.04.2004)

PCT

(10) International Publication Number  
**WO 2004/031182 A1**

- (51) International Patent Classification<sup>7</sup>: **C07D 409/14**, 403/14, 403/12, 471/04, 471/04, 221/00, 209/00
- (74) Agent: **SERONO INTERNATIONAL S.A. INTELLECTUAL PROPERTY**; 12, Chemin des Aulx, CH-1228 Plan-les-Ouates (CH).
- (21) International Application Number:  
PCT/EP2003/050640
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date:  
19 September 2003 (19.09.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
60/412,308 20 September 2002 (20.09.2002) US
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- (71) Applicant (*for all designated States except US*): **APPLIED RESEARCH SYSTEMS ARS HOLDING N.V.** [NL/NL]; Pietermaai 15, Curacao (AN).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **MAGAR, Sharad** [US/US]; 20 Harrison Road, Canton, MA 02021 (US). **GOUTOPOULOS, Andreas** [GR/US]; 250 Newbury Street, Boston, MA 02116 (US). **LIAO, Yihua** [CN/US]; 40 Highview Street, Westwood, MA 02090 (US). **SCHWARZ, Matthias** [CH/CH]; Avenue Tronchet 32B, CH-1226 Thônex (CH). **RUSSELL, Thomas, J.** [GB/GB]; Cummor Road 149, Boars Hill, Oxford OX1 5JS (GB).
- Published:**  
— with international search report  
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: PIPERAZINE DERIVATIVES AND METHODS OF USE

(57) Abstract: The invention provides 2-carboxamide piperazine compounds of formula I,  $R^3$ ,  $I \ N \ ' \ N \sim ' \ R^2 I(0)z - o \ R^4 I$  wherein  $R^1$ ,  $R^2$ ,  $R^3$  and  $R^4$  are as defined in the claims and methods of treatment and pharmaceutical compositions that utilize or comprise one or more such compounds. Compounds of the invention are useful for the treatment of mammalian infertility.



WO 2004/031182 A1

**Combined Declaration for Patent Application and Power of Attorney**

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; and that I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

**PIPERAZINE DERIVATIVES AND METHODS OF USE**

the specification of which (check one)

- ☐ is attached hereto;  
☐ was filed in the United States under 35 U.S.C. §111 on \_\_\_\_\_, as U.S. Appl. No. \_\_\_\_\_, which claims priority from U.S. patent application No. \_\_\_\_\_ filed \_\_\_\_\_; or  
☒ was/will be filed in the U.S. under 35 U.S.C. §371 by entry into the U.S. national stage of an international (PCT) application, PCT/EP2003/050640; filed September 19, 2003, entry requested on March 18, 2005; national stage application received U.S. Appl. No. 10/528,437\*; §371/§102(e) date \_\_\_\_\_ (\*if known) and was amended on \_\_\_\_\_ (if applicable).

*(include dates of amendments under PCT Art. 19 and 34 if PCT)*

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above; and I acknowledge the duty to disclose to the Patent and Trademark Office (PTO) all information known by me to be material to patentability as defined in 37 C.F.R. §1.56.

I hereby claim foreign priority benefits under 35 U.S.C. §§ 119 (a)-(d) and 365 (b) of any prior foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or under §365(a) of any PCT application which designated at least one country other than the U.S., listed below:

Application No.	Country	Filing Date (MM/DD/YYYY)
_____	_____	_____
_____	_____	_____

If I claimed foreign priority above, I hereby identify below any foreign application for patent (including an international (PCT) application designating a country other than the United States) or for an inventor's or plant breeder's certificate, having a filing date before that of the earliest application from which foreign priority is claimed (if left blank, then there are none):

Non-Priority Application No.	Country	Filing Date (MM/DD/YYYY)
_____	_____	_____
_____	_____	_____

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional applications listed below:

Application No.	Filing Date (MM/DD/YYYY)
60/412,308	September 20, 2002
_____	_____

I hereby claim the benefit under 35 U.S.C. §120 of any prior U.S. non-provisional application(s) or under §365(c) of any prior PCT international application(s) designating the U.S., listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in such U.S. or PCT international application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose to the PTO all information which is material to patentability as defined in 37 C.F.R. §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Application No.	Filing Date (MM/DD/YYYY)	Status (patented, pending, abandoned)
_____	_____	_____
_____	_____	_____



As a named inventor, I hereby appoint the attorneys and agents of the law firm of Howrey Simon Arnold & White, LLP, associated with Customer Number 22930, for so long as they remain with such firm, including the attorneys listed below:

David W. Clough, Reg. No. 36,107  
Teddy C. Scott, Jr., Reg. No. 53,573  
Christine M. Cochran, Reg. No. 52,757  
Kate G. Berezutskaya, Reg. No. 53,984

ATTORNEY INFORMATION

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P. O. Box 7  
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Direct Line: (312) 595-1408  
E-mail: cloughd@howrey.com

Teddy C. Scott, Jr., Ph.D.  
Direct Line: (312) 846-5621  
E-mail: tscott@howrey.com

ATTORNEY INFORMATION

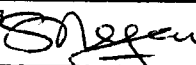
Title: **METHODS OF INDUCING OVULATION USING A NON-POLYPEPTIDE CAMP LEVEL MODULATOR**

U.S. Application filed March 18, 2005, Serial No. 10/528,437

PCT Application filed \_\_\_\_\_, Serial No. \_\_\_\_\_

The undersigned hereby authorizes the U.S. Attorneys or Agents appointed herein to accept and follow instructions from Jill E. Uhl as to any action to be taken in the U.S. Patent and Trademark Office regarding this application without direct communication between the U.S. Attorneys or Agents and the undersigned. In the event of a change of the persons from whom instructions may be taken, the U.S. Attorneys or Agents appointed herein will be so notified by the undersigned.

I hereby further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF FIRST INVENTOR: <b>SHARAD MAGAR</b>		INVENTOR'S SIGNATURE 	DATE <b>6/30/2005</b>
RESIDENCE 20 Harrison Road, Canton, Massachusetts 02021		CITIZENSHIP United States	
POST OFFICE ADDRESS 20 Harrison Road, Canton, Massachusetts 02021			
FULL NAME OF SECOND INVENTOR: <b>ANDREAS GOUTOPOULOS</b>		INVENTOR'S SIGNATURE	DATE
RESIDENCE 250 Newbury Street, Boston, Massachusetts, 02116		CITIZENSHIP Greece	
POST OFFICE ADDRESS 250 Newbury Street, Boston, Massachusetts, 02116			
FULL NAME OF THIRD INVENTOR: <b>YIHUA LIAO</b>		INVENTOR'S SIGNATURE	DATE
RESIDENCE 40 Highview Street, Westwood, Massachusetts, 02090		CITIZENSHIP China	
POST OFFICE ADDRESS 40 Highview Street, Westwood, Massachusetts, 02090			
FULL NAME OF FOURTH JOINT INVENTOR <b>MATTHIAS SCHWARZ</b>		INVENTOR'S SIGNATURE	DATE
RESIDENCE Avenue Tronchet 32B, CH-1226 Thonex, Switzerland		CITIZENSHIP Switzerland	
POST OFFICE ADDRESS Avenue Tronchet 32B, CH-1226 Thonex, Switzerland			
FULL NAME OF FIFTH JOINT INVENTOR <b>RUSSELL J. THOMAS</b>		INVENTOR'S SIGNATURE	DATE
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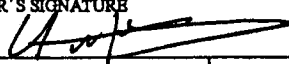
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Title: **METHODS OF INDUCING OVULATION USING A NON-POLYPEPTIDE CAMP LEVEL MODULATOR**U.S. Application filed March 18, 2005, Serial No. 10/528,437

PCT Application filed \_\_\_\_\_, Serial No. \_\_\_\_\_

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I hereby further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF FIRST INVENTOR: <b>SHARAD MAGAR</b>	INVENTOR'S SIGNATURE	DATE
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FULL NAME OF THIRD INVENTOR: <b>YIHUA LIAO</b>	INVENTOR'S SIGNATURE	DATE
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FULL NAME OF FOURTH JOINT INVENTOR <b>MATTHIAS SCHWARZ</b>	INVENTOR'S SIGNATURE	DATE
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FULL NAME OF FIFTH JOINT INVENTOR <b>RUSSELL J. THOMAS</b>	INVENTOR'S SIGNATURE	DATE
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FULL NAME OF THIRD INVENTOR: <b>YIHUA LIAO</b>		INVENTOR'S SIGNATURE <i>Liao</i>	DATE July 1, 2005
RESIDENCE 40 Highview Street, Westwood, Massachusetts, 02090		CITIZENSHIP China	
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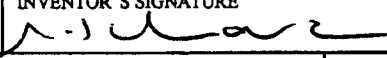
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FULL NAME OF FIFTH JOINT INVENTOR <b>RUSSELL J. THOMAS</b>		INVENTOR'S SIGNATURE <i>R. Thomas</i>	DATE 6.20.05
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RESIDENCE  
VIA COMUNALE DI  
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JA, ITALY  
E. Thomas